

ABSTRACT

Compositions for stimulating the immune system and for treating malignancies associated with overexpression of the HER-2 protein are provided. Such compositions include immunogenic epitopes of the HER-2 proteins and chimeric and multivalent peptides which
5 comprise such epitopes. The present invention also relates to polynucleotides which encode the chimeric peptides. Also provided are pharmaceutical compositions comprising such immunogenic compositions. Methods for stimulating an immune response to HER-2 protein are provided. Methods for treating breast cancer, ovarian cancer, prostate cancer, colon cancer and lung cancer are provided.

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